|  |  |
| --- | --- |
| Input Contribution | |
| Meeting ID\* | TP 35 |
| Title:\* | Add semantic part for the feature catalogue |
| Source:\* | Bob Flynn; bob.flynn@convidawireless.com |
| Date:\* | 2018-05-13 |
| Input related to\* | TS-0031- Feature Catalogue |
| Intended purpose of  document:\* | Decision  Discussion  Information  Other <specify> |
| Impacted other TS/TR(s) | n/a |
| Decision requested or recommendation:\* | The content is to be included in clause 6.X of TS-0031 v2.0.0 |
| Template Version: January 2017 (Do not modify) | |

**oneM2M Notice**

The document to which this cover statement is attached is submitted to oneM2M. Participation in, or attendance at, any activity of oneM2M, constitutes acceptance of and agreement to be bound by terms of the Working Procedures and the Partnership Agreement, including the Intellectual Property Rights (IPR) Principles Governing oneM2M Work found in Annex 1 of the Partnership Agreement.

# Introduction

This contribution brings the feature catalogue of semantic part for TS-0031.

This includes Release 2 features.

### -----------------------Start of change 1-------------------------------------------

## 6.X Semantics (SEM)

### 6.X.1 Semantic annotation

The Feature Set below is about CSE supporting semantic annotation.

Table 6.X.1-1: Features of CE/SEM/00001

|  |  |  |
| --- | --- | --- |
| **Feature ID** | **Feature Description** | **Release** |
| *CE/SEM/00001/00001* | Support <semanticDescriptor> resource with attributes mandatory attributes [1] | 2 |

The Feature Set below is about AE managing semantic annotations.

Table 6.X.1-2: Features of AE/SEM/00001

|  |  |  |
| --- | --- | --- |
| **Feature ID** | **Feature Description** | **Release** |
| *AE/SEM/00001/00001* | Create <semanticDescriptor> resource with mandatory attributes [2] | 2 |
| *AE/SEM/00001/00002* | Update <semanticDescriptor> resource with *descriptor* | 2 |
| *AE/SEM/00001/00003* | Support partial update to <semanticDescriptor> resource through *semanticOpExec* | 2 |
| *AE/SEM/00001/00004* | Retrieve <semanticDescriptor> | 2 |
| *AE/SEM/00001/00005* | Delete <semanticDescriptor> | 2 |

### 6.X.2 Semantic discovery

The Feature Set below is about CSE supporting semantic discovery.

Table 6.X.2-1: Features of CE/SEM/00002

|  |  |  |
| --- | --- | --- |
| **Feature ID** | **Feature Description** | **Release** |
| *CE/SEM/00002/00001* | Support the Semantic Discovery request | 2 |
| *CE/SEM/00002/00002* | Support discovery request targeting to a <*semanticFanOutPoint*> resource | 2 |

*.*

The Feature Set below is about AE supporting semantic discovery request.

Table 6.X.2-2: Features of AE/SEM/00002

|  |  |  |
| --- | --- | --- |
| **Feature ID** | **Feature Description** | **Release** |
| *AE/SEM/00002/00001* | Support filter according to a specific SPARQL statement (*semanticFilter*) | 2 |

### -----------------------End of change 1-------------------------------------------